

"TIGER" DNA Segments

5'	GGA	GAG	CGG	ANG	NAN	TGG	NAT	AAC	AGG	CCA	CCG	ATG	TGG	CGA	CCA	TCA	GTT
	9	18				27				36			45				54
	CTG	CTG	CTT	CTG	TTG	CTA	CTG	AGG	CAC	GGG	GCC	CAG	GGG	AAG	CCA	TCC	CCA
L	L	L	L	L	L	L	R	H	G	A	Q	G	K	P	R	P	S
A	G	P	H	G	Q	G	R	V	H	Q	A	A	P	L	S	D	V
117	126			135			144						153				162
GCA	GGC	CCT	CAT	GGC	CAG	GGG	AGG	GTG	CAC	CAG	GCG	GCC	CCC	CTG	AGC	GAC	GCT
P	H	D	D	A	H	G	N	F	Q	Y	D	H	E	A	F	L	G
171	180			189			198						207				216
CCC	CAT	GAT	GAC	GCC	CAC	GGG	AAC	TTC	CAG	TAC	GAC	CAT	GAG	GCT	TTC	CTG	GGG
P	H	D	D	A	H	G	N	F	Q	Y	D	H	E	A	F	L	G
225	234			243			252						261				270
CGG	GAA	GTG	GCC	AAG	GAA	TTC	GAC	CAA	CTC	ACC	CCA	GAG	GAA	AGC	CAG	GCC	CGT
R	E	V	A	K	E	F	D	Q	L	T	P	E	E	S	Q	A	R
279	288			297			306						315				324
CTG	GGG	CGG	ATC	GTG	GAC	CGC	ATG	GAC	CGC	GGG	GAC	GGG	GAC	GGC	TGG	GTG	
L	G	R	I	V	D	R	M	D	R	A	G	D	G	D	G	W	V
333	342			351			360						369				378
TCG	CTG	GCC	GAG	CTT	CGC	GGC	TGG	ATC	GCG	CAC	ACG	CAG	CGG	CAC	ATA	CGG	
S	L	A	E	L	R	A	W	I	A	H	T	Q	Q	R	H	I	R

FIGURE 1A

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	387	GAC TCG GTG AGC GCG GCG TGG GAC ACG TAC GAC ACG GAC CGC GAC CGG CGT GTG	405	414	423	
D	S	V	S	A	A	W
						D
						T
						Y
						D
						R
						V
441	450	GGT TGG GAG GAG CTG CGC AAC ACC TAT GGC CAC TAC GCG CCC GGT GAA GAA	459	468	477	486
G	W	E	E	L	R	N
						A
						T
						Y
						G
						H
						Y
						A
495	504	TTT CAT GAC GTG GAG GAT GCA GAG ACC TAC AAA AAG ATG CTG GCT CGG GAC GAG	513	522	531	540
F	H	D	V	E	D	A
						E
						T
						Y
						K
						M
						L
						A
						R
						D
						E
549	558	CGG CGT TTC CGG GTG GCC GAC CAG GAT GGG GAC TCG ATG GCC ACT CGA GAG GAG	567	576	585	594
R	R	F	R	V	A	D
						Q
						D
						G
						S
						M
						A
						T
						R
						E
						E
603	612	CTG ACA GCC TTC CTG CAC CCC GAG GAG TTC CCT CAC ATG CGG GAC ATC GTG ATT	621	630	639	648
L	T	A	F	L	H	P
						E
						F
						P
						H
						M
						R
						D
						I
						V
						I
657	666	GCT GAA ACC CTG GAG GAC CTG GAC AGA AAC AAA GAT GGC TAT GTC CAG GTG GAG	675	684	693	702
A	E	T	L	E	D	L
						D
						R
						N
						K
						D
						G
						Y
						V
						Q
						V
						E

FIGURE 1B

GAG	TAC	ATC	GCG	GAT	CTG	TAC	TCA	GCC	GAG	CCT	GGG	GAG	GAG	CCG	GCG	TGG		
E	Y	I	A	D	L	Y	S	A	E	P	G	E	E	E	P	A	W	
GTG	CAG	ACG	GAG	AGG	CAG	CAG	TTC	CGG	GAC	TTC	CGG	GAT	CTG	AAC	AAG	GAT	GGG	
V	Q	T	E	R	Q	Q	F	R	D	F	R	D	L	N	K	D	G	
CAC	CTG	GAT	GGG	AGT	GAG	GTG	GGC	CAC	TGG	GTG	CTG	CCC	CCT	GCC	CAG	GAC	CAG	
H	L	D	G	S	E	V	G	H	W	V	L	P	P	A	Q	D	Q	
CCC	CTG	GTG	GAA	GCC	AAC	CAC	CTG	CTG	CAC	GAG	GAC	GAC	AAG	GAT	GGG			
P	L	V	E	A	N	H	L	L	H	E	S	D	T	D	K	D	G	
CGG	CTG	AGC	AAA	GCG	GAA	ATC	CTG	GCT	CAC	GAG	GAC	GAC	AAG	GAT	GGG			
R	L	S	K	A	E	I	L	G	N	W	N	M	F	V	G	S	Q	
GCC	ACC	AAC	TAT	GGC	GAG	GAC	CTG	GCT	GGT	AAT	TGG	AAC	ATG	TTT	GTG	GCG	AGT	CAG
A	T	N	Y	G	E	D	L	T	R	H	H	D	E	L				
CGC	ACC	TGC	CAC	AGC	CTC	AGA	GGC	CCG	CCG	CA	3'							

FIGURE 1C

1	M M M - - -	R P S V L L L L L R H G A O G K P -	S P D A G P H G O G R V H	2509570
1	M A R G G R G R R L G L A I G L L L	A L V L A P R V L R A K P T V R K E R V V	R	GI 1262329
1	M A R G G R - - - L G L A I G L L L	A L V L A P R V L R A K P T V R K E R V V	R	GI 220582
36	Q A A P L S D A P H D D A H G N F Q Y D H E A F L G R E V A K E F D Q L T P E E	2509570		
41	P D S E L G E R R P P E D N Q S - F Q Y D H E A F L G K E D S K T F D Q L T P D E			GI 1262329
35	P D S E L G E R R P P E D N Q S - F Q Y D H E A F L G K E D S K T F D Q L T P D E			GI 220582
76	S Q A R L G R I V D R M D R A G D G W V S S L A E L R A W I A H T Q Q R H I R	2509570		
80	S K E R L G K I V D R I D - - N D G D G F V T T E E L K T W I K R V Q K R Y I F			GI 1262329
74	S K E R L G K I V D R I D - - S D G D G L V T T E E L K L W I K R V Q K R Y I Y			GI 220582
116	D S V S A A W D T Y D T D R D G R V G W E E L R N A T Y G H Y - A P G E E F H D	2509570		
118	D N V A K V W K D Y D R K D K I S W E E Y K Q A T Y G Y Y L G N P A E F H D			GI 1262329
112	D N V A K V W K D Y D R K D E K I S W E E Y K Q A T Y G Y Y L G N P A E F H D			GI 220582
155	V E D A E T Y K K M L A R D E R R F R V A D Q D G D S M A T R E E L T A F L H P	2509570		
158	S S D P H H T F K K M L P R D E R R F K A A D L N G D L T A T R E E F T A F L H P			GI 1262329
152	S S D H H T F K K M L P R D E R R F K A S D L D G D L T A T R E E F T A F L H P			GI 220582

FIGURE 2A

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195 E F P H M R D I V A E T L E D L D R N K D G Y V Q V E E Y I A D L Y S A E P 2509570  
198 E F E H M K E I V V L E T L E D I D K N G D G F V D Q D E Y I A D M F S H E E GI 1262329  
192 E F E H M K E I V V L E T L E D I D K N G D G F V D Q D E Y I A D M F S H E D GI 220582  
235 G E E E P A W V O T E R Q Q F R D L N K D G H L D G S E V G H W V L P P A 2509570  
238 N G P E P D W V L S E R E Q F N E F R D L N K D G K L D K D E I R H W I L P Q D GI 1262329  
232 N G P E P D W V L S E R E Q F N D F R D L N K D G K L D K D E I R H W I L P Q D GI 220582  
275 Q D O P L V E A N H L L H E S D T D K D G R L S K A E I L G N W N M F V G S Q A 2509570  
278 Y D H A Q A E A R H L V Y E S D K N K D E K L T K E E I L E N W N M F V G S Q A GI 1262329  
272 Y D H A Q A E A R H L V Y E S D K N K D E M L T K E E I L D N W N M F V G S Q A GI 220582  
315 T N Y G E D L T R H H D E L 2509570  
318 T N Y G E D L T K N H D E L GI 1262329  
312 T N Y G E D L T K N H D E L GI 220582

FIGURE 2B

TOCET00004886760

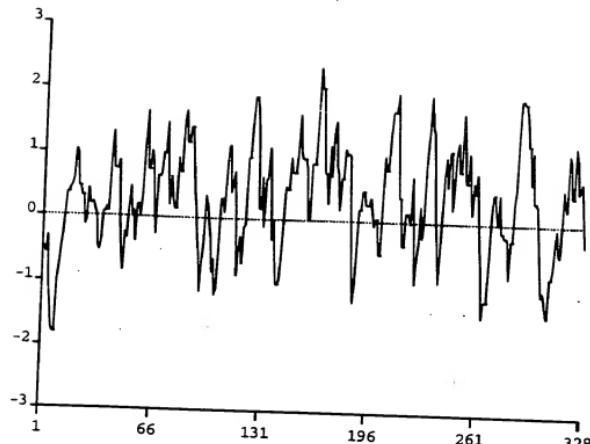


FIGURE 3A

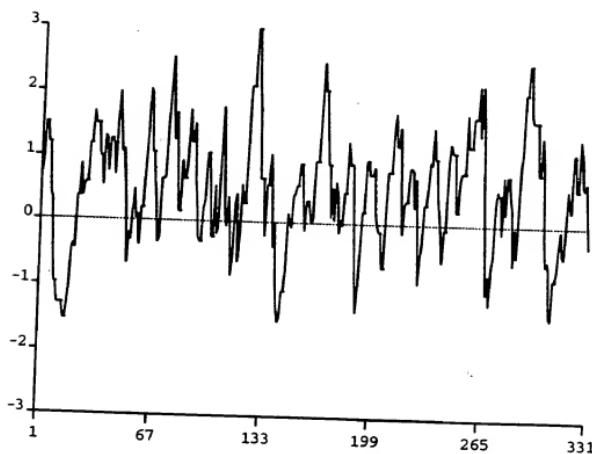


FIGURE 3B